

SAFETY DATA SHEET

Section 1: Identification

Product identifier used on the label;

Product name: Safelink™ SPM-01(Powder)
Chemical name: Organic acid salt

Other means of identification;

No information

Recommended use of the chemical and restrictions on use;

Recommended use: General industrial uses
Restrictions on use: No information

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party;

Name: Mitsubishi Chemical Corporation
Department in Charge: Gohsenol Department
Address: 1-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8251,
Japan
Telephone number: +81-3-6748-7804
Fax number: +81-3-3286-1246
e-mail address: MCJP-MBX-MCC_GOHSENOL_RC@mchcgr.com

Emergency phone number

+81-3-6748-7804 (JST: 09:00 - 17:30)

Section 2: Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

Physical Hazards

Not classified

Health Hazards

Not classified

Environmental Hazards

Not classified

Other Hazards

No information

Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of §1910.1200;

Symbol(s)

-	
Signal word	-
Hazard Statement(s)	-
Precautionary Statement(s)	
[Prevention]	-
[Emergency response]	-
[Storage]	-
[Disposal]	-

Description of any hazards not otherwise classified;

EYE: May cause irritation.

SKIN: Prolonged exposure may cause skin irritation.

INGESTION: Small amounts swallowed incidental to normal handling operations are not likely to cause injury, however, swallowing amounts larger than that may cause injury.

INHALATION: Inhalation of dust may cause irritation to upper respiratory tract.

SIGNS AND SYMPTOMS OF EXPOSURE: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Ingredient with unknown acute toxicity in the mixture

Not applicable

Section 3: Composition/information on ingredients

Compositions (contents of the product)

Chemical name	CAS No.	Concentration/concentration ranges (wt %)
Safelink™ SPM-01(Powder) Organic acid salt	(Trade secret)	100%

Section 4: First-aid measures

Necessary first-aid measures by relevant routes of exposure;

IF INHALED	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
IF ON SKIN	Wash with water and soap. Get medical attention if symptoms occur.
IF IN EYES	If in eyes, rinse well with water. Get medical attention if irritation develops and persists.
IF SWALLOWED	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.

Most important symptoms/effects, acute and delayed;

Risks: Contact with dust can cause mechanical irritation or drying of the skin.
Dust contact with the eyes can lead to mechanical irritation.

May produce an allergic reaction.

Indication of immediate medical attention and special treatment needed, if necessary;

Treatment: Treat symptomatically and supportively.

Section 5: Fire-fighting measures

Suitable (and unsuitable) extinguishing media;

Suitable extinguishing media:

Water spray, Alcohol-resistant foam, Carbon dioxide (CO₂), Dry chemical

Unsuitable extinguishing media

High volume water jet

Specific hazards arising from the chemical;

Do not use a solid water stream as it may scatter and spread fire.

Exposure to combustion products may be a hazard to health.

Special protective equipment and precautions for fire-fighters;

In the event of fire, wear self-contained breathing apparatus.

Use personal protective equipment.

Section 6: Accidental release measures

Personal precautions, protective equipment, and emergency procedures;

Use personal protective equipment.

Follow safe handling advice and personal protective equipment recommendations.

Methods and materials for containment and cleaning up;

Sweep up or vacuum up spillage and collect in suitable container for disposal.

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.

Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

Section 7: Handling and storage

Precautions for safe handling

Protective measures:

Static electricity may accumulate and ignite suspended dust causing an explosion.

Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Use only with adequate ventilation.

Advice on general occupational hygiene:

Do not breathe dust.

Do not swallow.
Avoid contact with eyes.
Avoid prolonged or repeated contact with skin.
Handle in accordance with good industrial hygiene and safety practice.
Minimize dust generation and accumulation.
Keep container closed when not in use.
Keep away from heat and sources of ignition.
Take care to prevent spills, waste and minimize release to the environment.
Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke.
Wash contaminated clothing before re-use.

Conditions for safe storage, including any incompatibilities

Technical measures:

Keep in properly labelled containers. Store in accordance with the particular national regulations.

Incompatible materials:

Do not store with the following product types: Strong oxidizing agents

Conditions for safe storage:

Carefully handled so that the container is not damaged.
Store hermetically in dry, cool, dark place with adequate ventilation.
Because of high hygroscopicity, avoid exposure from rain and use heat-seal.

Packing material:

Because of high hygroscopicity, use moisture-proof packaging material.

Section 8: Exposure controls/personal protection

Occupational Exposure Limits;

Contains no substances with occupational exposure limit values.

Appropriate engineering controls;

Ensure adequate ventilation, especially in confined areas.
Minimize workplace exposure concentrations.
Apply measures to prevent dust explosions.
Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

Individual protection measures, such as personal protective equipment;

Respiratory protection	Use NIOSH certified respirator with at least an APF of 50. Use a NIOSH certified respirator with an APF of 1000 if this substance is used in an application method that generates a spray, dust, mist or aerosol.
Hand protection	Material: Impervious gloves

	Remarks: Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.
Eye protection	Wash hands before breaks and at the end of workday. Wear the following personal protective equipment: Safety goggles
Skin and body protection	Skin should be washed after contact.

Section 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Colorless to slightly yellow powder
Odor	None
Odor threshold	Not applicable
pH	5.0 ~ 8.0 (10 % aqueous solution)
Melting point/freezing point	> 300 °C
Initial boiling point and boiling range	> 300 °C
Flash point	-
Evaporation rate	Not applicable
Flammability (solid, gas)	Not classified as a flammability hazard.
Upper/lower flammability or explosive limits	No information
Vapor pressure	Not applicable
Vapor density	Not applicable
Specific gravity	0.74 (powder density)
Solubility (ies)	Water solubility: 15.0 wt% (at 5°C) 17.1 wt% (at 23°C) 21.8 wt% (at 40°C)
Partition coefficient: <i>n</i> -octanol/water	No information
Auto-ignition temperature	No information
Decomposition temperature	No information
Viscosity	No information
Other information	
No data available	

Section 10: Stability and reactivity

Reactivity

Not classified as a reactivity hazard.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

Can react with strong oxidizing agents.

Conditions to avoid

Heat, flames and sparks. Exposure to moisture.

Incompatible materials

Oxidizing agents

Hazardous decomposition products

Carbon monoxide, Carbon dioxide.

Section 11: Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics;

Information on product:

Acute toxicity (oral):	Oral (rat) LD50 >2,000 mg/kg (OECD-GLP)
Skin corrosion/irritation:	Skin sensitization test: Negative (OECD-GLP)
Mutagenicity:	Ames test: Negative (plate method)
	Micronucleus Test: Negative (OECD-GLP)

Delayed and immediate effects and also chronic effects from short- and long-term exposure;

No data available

Numerical measures of toxicity (such as acute toxicity estimates);

Not applicable

EPA, in its review of this substance, has identified concern for:

Skin irritation
Eye irritation
Skin sensitization
Respiratory sensitization
Organ toxicity

Whether the chemical is listed in the NTP Report on Carcinogens or has been found to be a potential carcinogen in the IARC Monographs, or by OSHA;

IARC: Not listed
NTP Report: Not listed
OSHA: Not listed

Section 12: Ecological information

Ecotoxicity:

Information on product: No information

Persistence and degradability:

Information on product: No information

Bioaccumulative potential:

Information on product: No information

Mobility in soil:

Information on product: No information

Other adverse effects:

The product should not be allowed to enter drains, water courses or the soil.

Section 13: Disposal considerations

Waste treatment methods

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Section 14: Transport information

UN number Not applicable

UN proper shipping name Not applicable

Transport hazard class(es) Not applicable

Packing group Not applicable

Environmental hazards Not applicable

Transport in bulk according to Annex II of MARPOL 73/78 and IBC code

Not applicable

Special precautions for user

When transporting, avoid direct sunlight. Confirm no leakage to containers. When loading, prevent containers from falling, dropping off or damaging. Take preventive measures of collapse.

Section 15: Regulatory information

OSHA: Not Hazardous chemical

TSCA inventory: All components are listed on the TSCA Inventory.

TSCA SNUR: Proposed SNUR to be published at 40 CFR 721.11260

SARA Title III: Section 302 (Extremely Hazardous Substances): Not listed

Section 304 (Hazardous Substances): Not listed

Section 313 (TRI Chemicals): Not listed

Clean Air Act: This product does not contain any substances regulated as hazardous air pollutants under Section 112 of the Clean Air Act.

Clean Water Act: This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act.

Section 16: Other information, including date of preparation or last revision

Update history:

Date of issue: 13th June, 2019

References:

Information of Mitsubishi Chemical Corporation

NITE GHS classification results (2015).

ACGIH, American Conference of Governmental Industrial Hygienists (2017) TLVs and BEIs.

[Disclaimer]

This SDS has been prepared based on the best available information however, it may not be sufficient in some cases. It is user's responsibility to modify or update any contents in this SDS regarding information on hazardous properties and/or instruction for safe handling of the product when they become available. Precautionary measures in this SDS are only applicable for normal handling conditions and it is necessary to take appropriate additional measures to ensure safe handling which depend on your specific use conditions or situations.